(54) Title: METHOD FOR COMPRESSION OF DATA
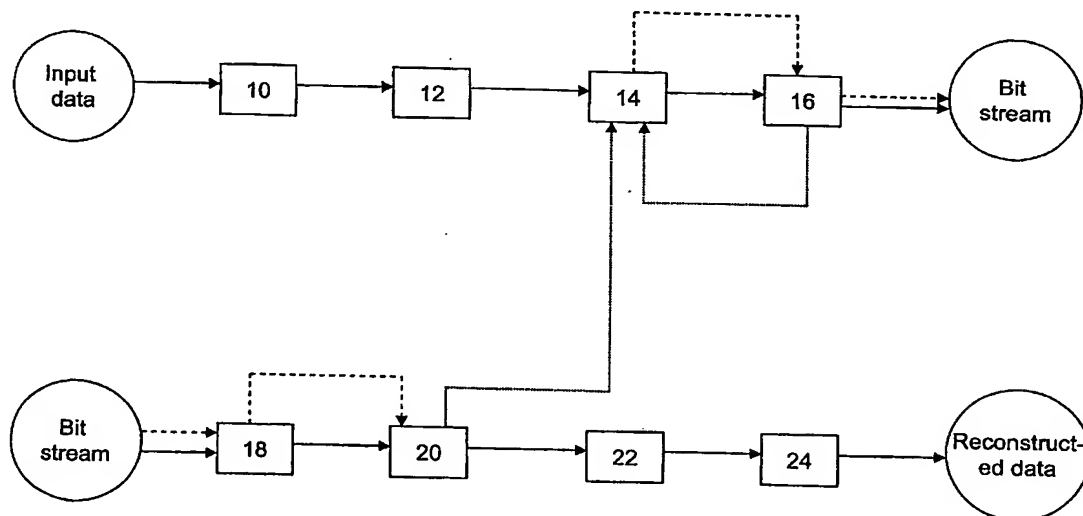
(57) Abstract: A method for compressing data, for example, seismic data, audio data, or video data, comprising the steps of trans-
forming data of a frame into a first sequence of real numbers by using an entropy increasing transform method; quantizing said first
sequence of real numbers of said frame to obtain a first sequence of integers; quantizing said first sequence of integers of said frame
using a predicted sequence of integers representing said first sequence of integers to produce a second sequence of integers; and
encoding said integers of said second sequence of said frame into a stream of bits representing the compressed sequence of integers
of said frame. Furthermore, the method comprises decompressing said compressed sequence by inverting the steps of transforming,
quantizing said first sequence of real numbers, quantizing said first sequence of integers of said frame, and decoding in reverse order.